

City of Torrington Water/WW Department Presentation

by

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A stylized, layered mountain range graphic in shades of teal and blue, located in the bottom right corner of the slide.

CITY OF TORRINGTON

DO WE HAVE A GREASE
PROBLEM?



YES!!!

ITS NOT CONCRETE!!



ITS NOT MUD!!



ITS GREASE!!



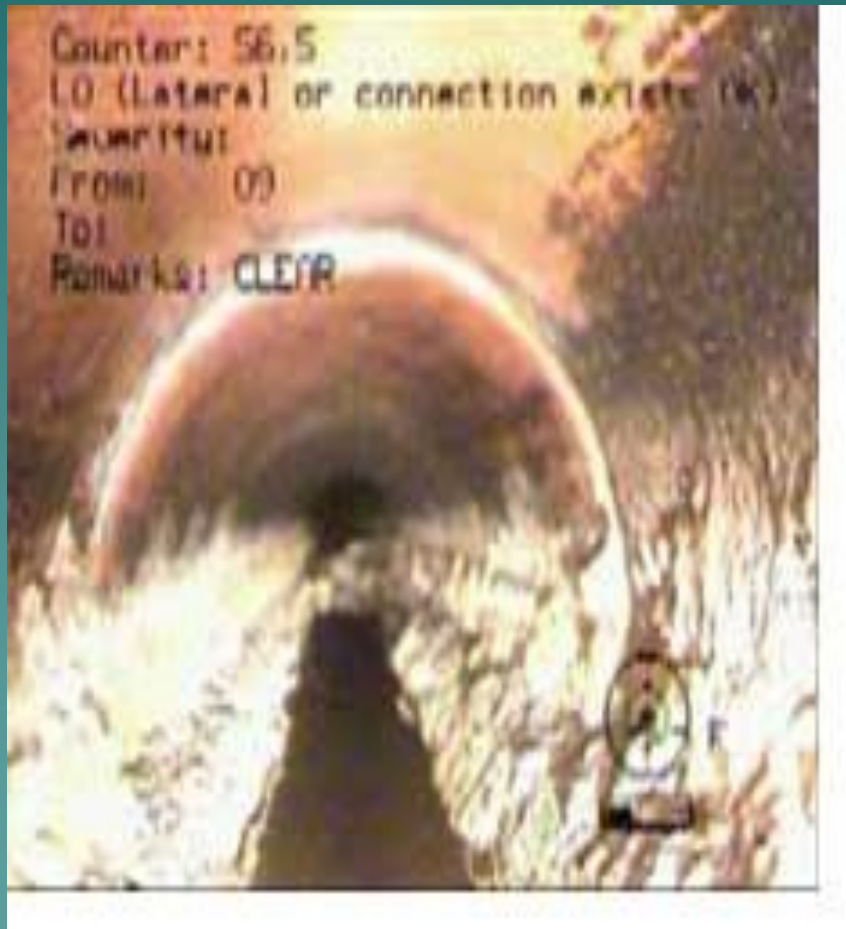
WHERE DOES IT START



WHERE DOES IT END



WHAT HAPPENS BETWEEN THE START AND THE END?



WHAT HAPPENS IF WE DON'T TAKE CARE OF THE FOG?



SANITARY SEWER
OVERFLOW!!

WHAT IS SANITARY SEWER OVERFLOW?

- The overflow of wastewater from a sanitary sewer system is considered a sanitary sewer overflow (SSO). SSOs can lead to significant environmental, health and safety risks.

HOW DOES THE CITY CLEAN THE GREASE FROM THE PIPES AND HOW OFTEN DO WE CLEAN?



- VACTOR JET TRUCK
- BI-ANNUALLY

WHAT CAN YOU DO TO PREVENT FUTURE GREASE PROBLEMS?

↙ INSTALL ↘



INTERIOR GREASE
TRAPS



GREASE BARREL OR CONTAINER

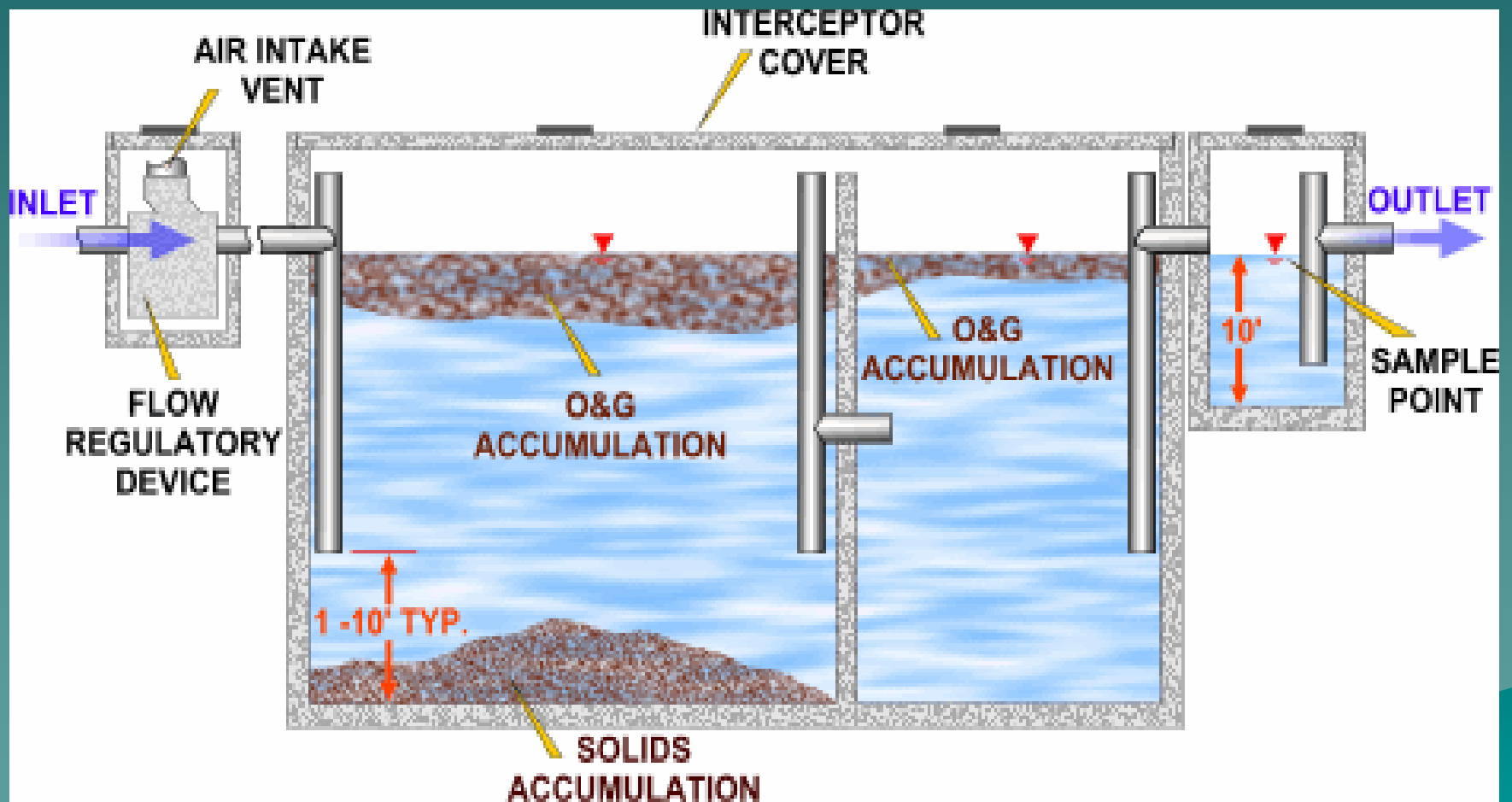


UNDERGROUND
GREASE INTERCEPTOR

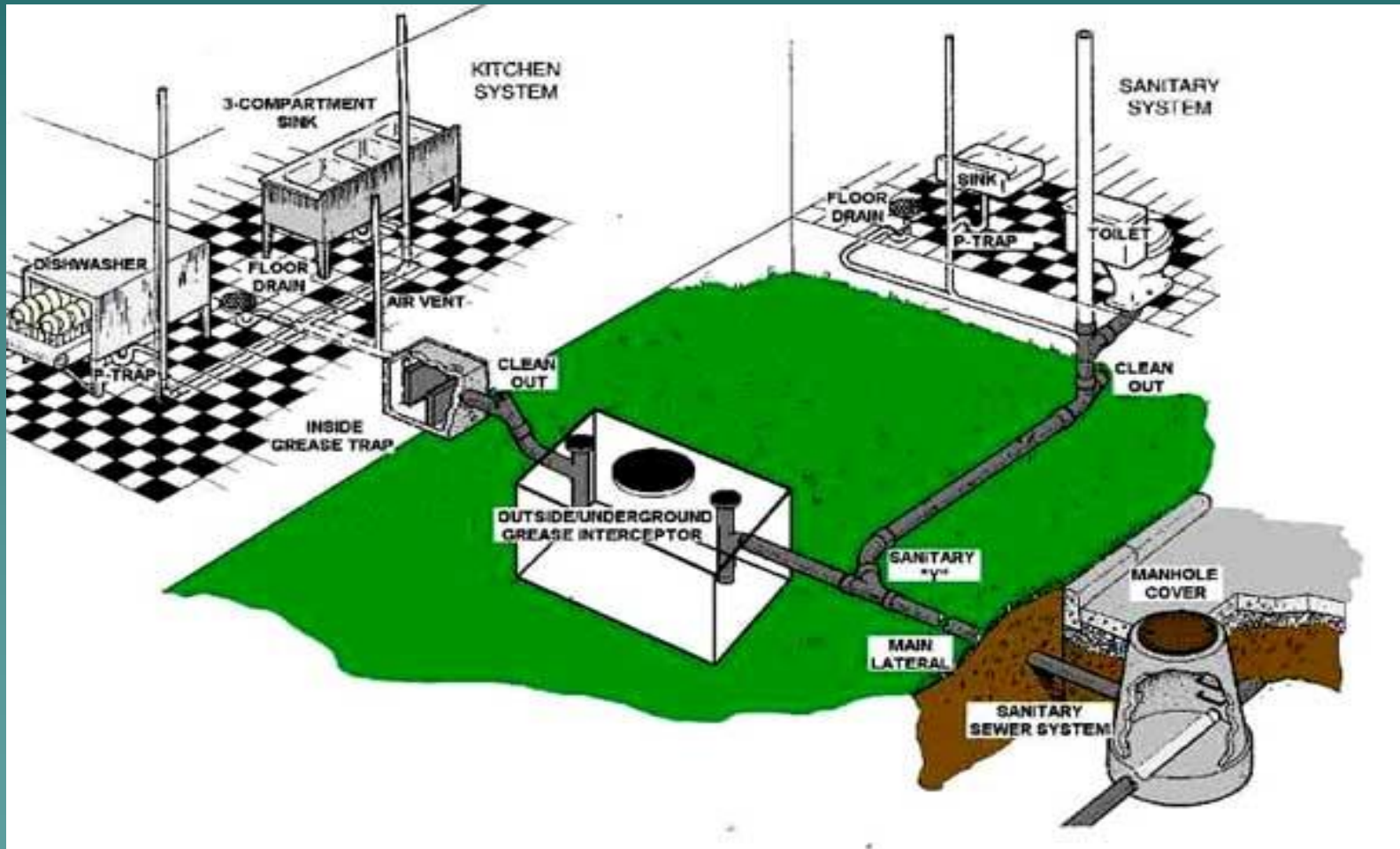
DON'T PUT FOG DOWN THE DRAIN!



HOW DO GREASE TRAPS WORK?



HOW ARE GREASE TRAPS & INTERCEPTORS INSTALLED?



WHAT REGULATIONS MUST BE FOLLOWED ON GREASE TRAP AND INTERCEPTOR INSTALLATION

- MUST FOLLOW INTERNATIONAL PLUMBING CODE REGULATIONS
- MUST FOLLOW WYOMING DEQ CHAPTER 11 REGULATIONS
- City of Torrington Code:
 - ◆ **Sec. 13.16.120 - Grease interceptors, oil separators and sand interceptors.**

WHAT HAPPENS AFTER TRAPS AND BARRELS ARE INSTALLED?



THEY GET ABUSED!!

WHAT MUST HAPPEN ON A REGULAR BASIS?

A MAINTENANCE PROGRAM!!



HOW AND WHERE DO I DISPOSE OF THE FOG?

◆ COOKING OIL RECYCLERS SERVICING TORRINGTON

○ Platte Valley Pet Food

◆ PO Box 1020

◆ Scottsbluff, NE 69363

◆ phone: 1-800-553-9760

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WHAT OTHER PROBLEMS ARE CAUSED BY FOG?



- ◆ **Lift stations** commonly end up with build-ups of grease that can create a ring around the lift station, collection build-up on pumps, chains, floats, sidewalls, etc. This can cause mechanical problems, cause plugging, interrupt service and cause terrible odors.

WHAT HAPPENS TO THE FOG WHEN IT GETS TO THE WASTE WATER TREATMENT FACILITY?



- Fats, oils, and grease can also cause interference at the wastewater treatment facility (WWTF). The FOG can negatively impact operations resulting in improper treatment of pollutants. These pollutants that are otherwise removed by the treatment process could be discharged to the river.

WHAT IS BOD AND TSS?

- **Biochemical Oxygen Demand** or **Biological Oxygen Demand** (BOD) is a chemical procedure for determining how fast biological organisms use up oxygen in a body of water.
- TSS:
Total suspended solids
A measure of particulate weight obtained by separating particles from a water sample using a filter.

Wastewater Lab Tests

Type of Wastewater:	BOD mg/l	Oil and grease mg/l	TSS mg/l
Raw restaurant wastewater (Washington Study)	1000-2000	100-300	300-625
Pretreated restaurant wastewater (wisconsin Study-12 restaurants)	101-880 avg = 365	24-144 avg = 63	
Pretreated restaurant wastewater (wisconsin Study-6 selected full-service restaurants)	245-880 avg = 506	40-144 avg = 83	65-372 avg = 177
Domestic Wastewater	100-400 avg < 230	16-65	100-350

WHAT IS THE CITY'S MONTHLY MAX DISCHARGE LEVEL FOR BOD?

DISCHARGE POND:



Parameter:

- MAX MONTHLY
BOD
30 mg/l

WHO DO I CONTACT IF I HAVE AN SSO OR NEED ANY INFORMATION?

- ◆ AFTER HOURS THE CITY POLICE
STATION AT 307-532-7001
- ◆ DURING NORMAL BUSINESS HOURS:
 - : CITY HALL AT 307-532-5666
 - : WATER/WW OFFICE AT 307-532-2012
 - : BUILDING INSPECTORS OFFICE AT 307-532-4213